2018 Current Fiscal Year Report: Advisory Committee for Computer and Information Science and Engineering

Report Run Date: 06/05/2019 11:56:44 PM

1. Department or Agency	2. Fiscal Year
National Science Foundation	2018

3. Committee or Subcommittee	3b. GSA Committee No.
Advisory Committee for Computer and Information Science and Engineering	1115

4. Is this New During Fiscal Year?	5. Current Charter	6. Expected Renewal Date	7. Expected Term Date
No	06/29/2018	06/29/2020	

8a. Was Terminated During FiscalYear?	8b. Specific Termination Authority	8c. Actual Term Date
No		

9. Agency Recommendation for Next FiscalYear	10a. Legislation Req to Terminate?	10b. Legislation Pending?
Continue	No	Not Applicable

11. Establishment Authority Agency Authority

12. Specific Establishment Authority	13. Effective Date	14. Commitee Type	14c. Presidential?
ADM IV-100	03/05/1992	Continuing	No

15. Description of Committee Scientific Technical Program Advisory Board

16a. Total Number of Reports	No Reports for this FiscalYear

17a. Open 2 **17b. Closed** 0 **17c. Partially Closed** 0 **Other Activities** 0 **17d. Total** 2

Meetings and Dates

Purpose	Start	End
To provide advice and recommendations on policies, programs, activities, and long-range planning.	12/14/2017	- 12/15/2017
To provide advice and recommendations on policies, programs, activities, and long-range planning.	06/07/2018	- 06/08/2018

Number of Committee Meetings Listed: 2

	Current FY	Next FY
18a(1). Personnel Pmts to Non-Federal Members	$37,440.00	$20,000.00
18a(2). Personnel Pmts to Federal Members	$0.00	$0.00
18a(3). Personnel Pmts to Federal Staff	$8,481.24	$8,500.00
18a(4). Personnel Pmts to Non-Member Consultants	$0.00	$0.00
18b(1). Travel and Per Diem to Non-Federal Members	$12,532.23	$10,000.00
18b(2). Travel and Per Diem to Federal Members	$0.00	$0.00
18b(3). Travel and Per Diem to Federal Staff	$0.00	$0.00

18b(4). Travel and Per Diem to Non-member Consultants	$0.00	$0.00
18c. Other(rents,user charges, graphics, printing, mail, etc.)	$703.29	$500.00
18d. Total	$59,156.76	$39,000.00
19. Federal Staff Support Years (FTE)	0.05	0.05

20a. How does the Committee accomplish its purpose?

To provide advice on potential future research priorities, the committee organizes itself into working groups to deal with various issues, such as, human resources and diversity, the future of high-speed networking, and other specific matters. All play a role in helping CISE and NSF define a research agenda, and meet the needs for an informed citizenry, priorities for support of the nation's advanced computational and communications structure, and developing a future cadre of scientists and engineers. It reviews performance in proposal processing and substance through review of CISE's committee of visitors (COV) reports and management responses to same.

20b. How does the Committee balance its membership?

The Committee is diverse and includes individuals covering all scientific and technical fields falling under CISE. Its membership draws from the academic and industrial communities and represents researchers, creators of technology, and users. Several members have interests and expertise in human resource issues which are particularly important in this new and rapidly evolving field.

20c. How frequent and relevant are the Committee Meetings?

Meetings usually are held twice yearly and are scheduled to develop advice closely related to the annual budget and long-range planning processes. The Committee's discussions help clarify major emerging research themes for CISE areas and contribute to priority setting. These are recurring responsibilities which require continual community evaluation and updating.

20d. Why can't the advice or information this committee provides be obtained elsewhere?

The Committee has been constituted to reflect the broad range of stakeholders involved. No other balanced forum exists to bring the disparate and complementary viewpoints together for presentation, criticism and synthesis.

20e. Why is it necessary to close and/or partially closed committee meetings?

N/A

21. Remarks

N/A

Designated Federal Officer

James Kurose Assistant Director, CISE

Committee Members	Start	End	Occupation	Member Designation
Benzel, Terry	05/01/2018	06/30/2020	University of Southern California Information Sciences Institute	Special Government Employee (SGE) Member
Berman, Fracine	11/01/2012	12/31/2018	RPI	Special Government Employee (SGE) Member
Cortina, Thomas	06/01/2015	12/31/2018	Carnegie Mellon University	Special Government Employee (SGE) Member
Culler, David	11/01/2012	12/31/2018	University of California - Berkeley	Special Government Employee (SGE) Member
Estrin, Deborah	12/01/2015	12/31/2018	Cornell University	Special Government Employee (SGE) Member
Franklin, Michael	06/01/2015	12/31/2018	University of Chicago	Special Government Employee (SGE) Member
Goldsmith, Andrea	12/01/2016	12/31/2019	Stanford University Packard 371	Special Government Employee (SGE) Member
Hager, Gregory	12/01/2016	12/31/2019	Johns Hopkins University	Special Government Employee (SGE) Member
Hailpern, Brent	11/01/2012	12/31/2018	IBM Research - Almaden	Special Government Employee (SGE) Member
Isbell, Charles	08/01/2009	06/30/2021	Georgia Tech University	Special Government Employee (SGE) Member
Kumar, Vijay	06/01/2015	06/30/2018	University of Pennsylvania	Special Government Employee (SGE) Member
Lee, Peter	11/01/2012	12/31/2017	Microsoft Research Redmond	Special Government Employee (SGE) Member
Lifka, David	06/01/2017	06/30/2020	Cornell University	Special Government Employee (SGE) Member
Martonosi, Margaret	05/01/2015	12/31/2018	Princeton University	Special Government Employee (SGE) Member
Muthukrishnan, Shanmugavelayut	06/01/2017	06/30/2020	Rutgers University	Special Government Employee (SGE) Member
Partridge, Craig	05/01/2014	12/31/2018	BBN Technologies	Special Government Employee (SGE) Member
Raghavan, Padma	06/01/2015	12/31/2018	Vanderbilt University	Special Government Employee (SGE) Member
Rutenbar, Rob	11/01/2012	06/30/2019	University of Pittsburgh	Special Government Employee (SGE) Member
Schnabel, Robert	04/01/2012	06/30/2019	University of Colorado - Boulder	Special Government Employee (SGE) Member
Sproull, Robert	12/01/2015	12/31/2019	University of Massachusetts Amherst	Special Government Employee (SGE) Member
Teller, Patricia	12/01/2016	12/31/2019	U of Texas El Paso	Special Government Employee (SGE) Member

Number of Committee Members Listed: 21

Narrative Description

The NSF mission is set out in the NSF Act of 1950 and authorizes and directs the Agency to initiate and support: basic scientific research and research fundamental to the

engineering process; and science and engineering education programs at all levels and in all fields of science and engineering. The CISE Advisory Committee provides expert advice to NSF on emerging science and engineering opportunities and serves as a sounding board for new scientific priorities identified within the agency.

What are the most significant program outcomes associated with this committee?

Checked if Applies

Improvements to health or safety	☐
Trust in government	☐
Major policy changes	☐
Advance in scientific research	✔
Effective grant making	✔
Improved service delivery	☐
Increased customer satisfaction	✔
Implementation of laws or regulatory requirements	☐
Other	☐

Outcome Comments

NA

What are the cost savings associated with this committee?

Checked if Applies

None	☐
Unable to Determine	✔
Under $100,000	☐
$100,000 - $500,000	☐
$500,001 - $1,000,000	☐
$1,000,001 - $5,000,000	☐
$5,000,001 - $10,000,000	☐
Over $10,000,000	☐
Cost Savings Other	☐

Cost Savings Comments

The cost of obtaining the expertise, insight, and information provided by the CISE Advisory Committee using alternative methods, such as hiring AC members as full or part-time employees, would obviously be higher.

What is the approximate <u>Number</u> of recommendations produced by this committee for the life of the committee?

Number of Recommendations Comments
Number of recommendations for CISE AC Committee and Subcommittee meetings includes FY 18.

What is the approximate <u>Percentage</u> of these recommendations that have been or will be <u>Fully</u> implemented by the agency?
25%

% of Recommendations <u>Fully</u> Implemented Comments
All recommendations are considered by the agency. Some are not implementable due to constraints that the AC members are not aware of.

What is the approximate <u>Percentage</u> of these recommendations that have been or will be <u>Partially</u> implemented by the agency?
25%

% of Recommendations <u>Partially</u> Implemented Comments
Please see answer directly above.

Does the agency provide the committee with feedback regarding actions taken to implement recommendations or advice offered?
Yes ✓   No ☐   Not Applicable ☐

Agency Feedback Comments
The agency provides feedback through a number of mechanisms including via the NSF web site, at future AC meetings, through articles in scientific journals and in other scientific venues.

What other actions has the agency taken as a result of the committee's advice or recommendation?

	Checked if Applies
Reorganized Priorities	✓
Reallocated resources	✓
Issued new regulation	☐
Proposed legislation	☐
Approved grants or other payments	☐
Other	☐

Action Comments

The CISE AC provides scientific advice that influences NSF programmatic priorities.

Is the Committee engaged in the review of applications for grants?

No

Grant Review Comments

Not Applicable

How is access provided to the information for the Committee's documentation?

	Checked if Applies
Contact DFO	✔
Online Agency Web Site	✔
Online Committee Web Site	✔
Online GSA FACA Web Site	✔
Publications	✔
Other	☐

Access Comments

NA